

PANEL THICKNESS:			2mm	3mm	4mm	6mm
Aluminium layer thickness mm			0.20			
Panel Weight [Kg/m ²]			2.6	3.5	4.4	6.2
PANEL TOLERANCES						
Panel thickness		mm	±0.2			
Panel width		mm	-0.00 / +4.00			
Panel length		mm	≤ 4000 mm : -0.0 / +4 4001 -6000 mm: -0.0 / +6 6001- 8000 mm: -0.0 / +10			
Diagonal difference		mm	3.00 mm			
TECHNICAL PROPERTIES						
Alloy/Temper of Aluminium cover sheet			EN AW- 3105/H44 or 4116/H44			
Modulus of Elasticity		E [N/mm ²]	70000			
Tensile strength of Al. cover sheets		Rm [N/mm ²]	150-200			
0.2% Proof stress		Rp0.2 [N/mm ²]	120 min			
Elongation		%	A ₅₀ ≥ 3%			
Linear Thermal Expansion			2.4 mm/m for Temperature difference of 100° C			
CORE:						
Density of Polyethylene, Type LDPE [g/cm ³]			0.92			
SURFACE PREPARATION and PAINT CHARACTERISTICS						
Visible Surface Preparation:			<u>Pre-treatment of Aluminium :</u> 1 st Degreasing 2 nd Passivation			
Lacquering Upper Surface/ Lower Surface			<u>Coil Coating</u> <u>Modified Polyester suitable for digital printing - System</u>			
<ul style="list-style-type: none"> Gloss Pencil Hardness Paint Thickness 			Semi gloss Target 35 % , Tolerances according to EN 1396 High gloss Target >80% Tolerances according to EN 1396 Min H 18±3 µm			
TEMPERATURE BEHAVIOUR						
Operational temperature range			From -50° C to +80° C			
SURFACE QUALITY						
Dents, marks, hits, grooves, stains etc.			Acceptable when not visible at a distance ≥1 m at an angle of 90°			
PROTECTIVE FILM						
Transparent unprinted with special adhesive suitable for digital printing / No UV protection			An area of 5 mm max, from each edge might be without protective film			

**Material before use should be stored inside away from direct sunlight.

***It is advisable to remove the protective film within 6 months after goods receipt. Beyond this period there is a possibility that the protective film might leave remnants of adhesive on the surface

